

08-2701

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PTO/SB/05 (03-01)

App. use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                        |  |
|------------------------|--|
| Attorney Docket No.    | 4727   |
| First Inventor         | Richard T. Reel                                |
| Title                  | MANIPULATION OF ANALYTES USING ELECTRIC FIELDS |
| Express Mail Label No. | EL 782 732 940 US                              |

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 21]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
5. Oath or Declaration [Total Pages 2]
  - a. ☒ Unexecuted
  - b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76.

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Copy (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS Citations  
Statement (IDS)/PTO-1449
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Certified Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_/\_\_\_\_ filed \_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

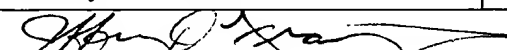
Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a ~~materially~~ materially omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label **22896** (Insert Customer No. or Attach bar code label here) or ☐ Correspondence address below

|         |  |           |              |          |              |
|---------|--|-----------|--------------|----------|--------------|
| Name    | Jeffery D. Frazier                             |           |              |          |              |
| Address | Applied Biosystems<br>850 Lincoln Centre Drive |           |              |          |              |
| City    | Foster City                                    | State     | California   | Zip Code | 94404        |
| Country | US   | Telephone | 650-570-6667 | Fax      | 650-638-6677 |

|                   |   |                                   |               |
|-------------------|---|-----------------------------------|---------------|
| Name (Print/Type) | Jeffery D. Frazier  | Registration No. (Attorney/Agent) | 34,601        |
| Signature         |  | Date                              | Aug. 24, 2001 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231. 28040\_1

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**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision.

**Complete if Known**

|                      |                            |
|----------------------|----------------------------|
| Application Number   | To be assigned             |
| Filing Date          | August 24, 2001 (herewith) |
| First Named Inventor | Richard T. Reel            |
| Examiner Name        | To be assigned             |
| Group Art Unit       | To be assigned             |
| Attorney Docket No.  | 4727                       |

**TOTAL AMOUNT OF PAYMENT (\$)** 1280**METHOD OF PAYMENT (check one)**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit  
Account  
Number  
Deposit  
Account  
Name

01-2213

Applied Biosystems

- ☒
- Charge any Additional Fee Required
- 
- Under 37 CFR 1.16 and 1.17
- 
- ☐
- Applicant claims small entity status.
- 
- See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:**
- 
- ☐
- Check
- ☐
- Credit card
- ☐
- Money
- ☐
- Other
- 
- Order

**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description               | Fee Paid |
|-------------------------------|-------------------------------|-------------------------------|----------|
| 101                           | 710                           | 201 355 Utility filing fee    | 710      |
| 106                           | 320                           | 206 160 Design filing fee     |          |
| 107                           | 490                           | 207 245 Plant filing fee      |          |
| 108                           | 710                           | 208 355 Reissue filing fee    |          |
| 114                           | 150                           | 214 75 Provisional filing fee |          |

**SUBTOTAL (1) (\$)** 710**2. EXTRA CLAIM FEES**

| 2. EXTRA CLAIM FEES |              | Fee from | Fee Paid |
|---------------------|--------------|----------|----------|
|                     | Extra Claims | below    |          |
| Total Claims        | 25           | -20**= 5 | 90       |
| Independent Claims  | 9            | -3**= 6  | 480      |
| Multiple Dependent  |              |          | 0        |

\*\*or number previously paid, if greater; For Reissues, see below

| Large Entity<br>Fee Code (\$) | Small Entity<br>Fee Code (\$) | Fee Description  |
|-------------------------------|-------------------------------|--|
| 103                           | 18                            | 203 9 Claims in excess of 20                                     |
| 102                           | 80                            | 202 40 Independent claims in excess of 3                         |
| 104                           | 270                           | 204 135 Multiple dependent claim, if not paid                    |
| 109                           | 80                            | 209 40 ** Reissue independent claims over original patent        |
| 110                           | 18                            | 210 9 ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2) (\$)** 570**FEE CALCULATION (continued)****3. ADDITIONAL FEES****Large Entity Small Entity**

| Fee Code (\$) | Fee Code (\$) | Fee Description   | Fee Paid |
|---------------|---------------|---|----------|
| 105           | 130           | 205 65 Surcharge - late filing fee or oath  |          |
| 127           | 50            | 227 25 Surcharge - late provisional filing fee or cover sheet.                    |          |
| 139           | 130           | 139 130 Non-English specification   |          |
| 147           | 2520          | 147 2520 For filing a request for <i>ex parte</i> reexamination                   |          |
| 112           | 920*          | 112 920* Requesting publication of SIR prior to Examiner action                   |          |
| 113           | 1840*         | 113 1840* Requesting publication of SIR after Examiner action                     |          |
| 115           | 110           | 215 55 Extension for reply within first month                                     |          |
| 116           | 390           | 216 195 Extension for reply within second month                                   |          |
| 117           | 890           | 217 445 Extension for reply within third month                                    |          |
| 118           | 1390          | 218 695 Extension for reply within fourth month                                   |          |
| 128           | 1890          | 228 945 Extension for reply within fifth month                                    |          |
| 119           | 310           | 219 155 Notice of Appeal  |          |
| 120           | 310           | 220 155 Filing a brief in support of an appeal                                    |          |
| 121           | 270           | 221 135 Request for oral hearing  |          |
| 138           | 1510          | 138 1510 Petition to institute a public use proceeding                            |          |
| 140           | 110           | 240 55 Petition to revive - unavoidable   |          |
| 141           | 1240          | 241 620 Petition to revive - unintentional  |          |
| 142           | 1240          | 242 620 Utility issue fee (or reissue)  |          |
| 143           | 440           | 243 220 Design issue fee  |          |
| 144           | 600           | 244 300 Plant issue fee   |          |
| 122           | 130           | 122 130 Petitions to the Commissioner   |          |
| 123           | 50            | 123 50 Petitions related to provisional applications                              |          |
| 126           | 180           | 126 180 Submission of Information Disclosure Stmt                                 |          |
| 581           | 40            | 581 40 Recording each patent assignment per property (times number of properties) |          |
| 146           | 710           | 246 355 Filing a submission after final rejection (37 CFR 1.129(a))               |          |
| 149           | 710           | 249 355 For each additional invention to be examined (37 CFR 1.129(b))            |          |
| 179           | 710           | 279 355 Request for Continued Examination (RCE)                                   |          |
| 169           | 900           | 169 900 Request for expedited examination of a design application                 |          |

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)** 0**SUBMITTED BY**

Name (Print/Type) Jeffery D. Frazier

Registration No.  
(Attorney/Agent)

34,601

**Complete (if applicable)**

Telephone

650-638-6722

Signature

Date

Aug. 24, 2001

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